INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/002687

CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 1/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04B 1/38, A45C 11/00, H04M 1, H05K 5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975 Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	KR 2000-10498 A(HONG JONG-HEE) 15 FEBRUARY 2000 see the hole document	1	
A	KR 295589 Y(PARK KYUNG-JIN) 18 NOVEMBER 2002 see the hole document	1	
·· A	KR 2000-6575 U(AHN K WANG-HYUN) 15 APRIL 2000 see the hole document	1	
Α.	KR 323926 Y(KIM TAEKYUNG) 21 AUGUST 2003 see the hole document	· 1	
A	JP 10-326974 A(OZAKI AKIHIKO) 08 DECEMBER 1998 see the hole document	1	
A	JP 3075188 U(POWERHOUSE CO.,LTD) 15 NOVEMBER 2000 see the hole document	1	
A	JP 11-298362 A(SONY CORP) 29 OCTOBER 1999 see the hole document	1	

Further documents are listed in the continuation of Box C.

See patent family annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

25 FEBRUARY 2005 (25.02.2005)

Date of mailing of the international search report

28 FEBRUARY 2005 (28.02.2005)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2004/002687

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
KR 2000-10498 A	15.02.2000	None	``.	
KR 295589 Y	18.11.2002	None	. •	
KR 2000-6575 U	15.04.2000	None		
KR 323926 Y	21.08.2003	None		
JP 10-326974 A	08.12.1998	None		
JP 3075188 U	15.11.2000	None		
JP 11-298362 A	29.10.1999	None		